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Investigation of IT Competence and Readiness of IT Students Facing the Industrial Revolution 4.0

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The focus of this research is to investigate IT competence and IT students' readiness to face the industrial revolution 4.0 based on student perception. In this preliminary study, a survey was distributed through an online survey to 50 Indonesian IT students. Respondents were students of Syarif Hidayatullah State Islamic University who were between 18-24 years old. The results show that the hard skills that are more in demand are Information Technology Governance and Management, and the least desirable is Information Technology Enterprise Architecture. Regarding soft skills, most of the students agreed that the important trait the IT graduates should uphold to is honesty. In general, 92 percent of respondents were ready to enter the era of the industrial revolution 4.0. These findings confirm that competence in the form of hard skills, soft skills, and readiness to face the era of the industrial revolution 4.0 is one of the core elements to determine the extent of preparation of IT students facing the era of the industrial revolution 4.0. Enhancing one competency to embark on the new industrial revolution is a must, and agility is indeed a critical identity that must be inherent in IT students in facing the industrial revolution 4.0. © 2020 IEEE.

Author keywords

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